

INCO ALLOYS INTERNATIONAL INC -- INCONEL FILLER METAL 718 -- 3439-01-097-5989

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Product Identification
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Product ID:INCONEL FILLER METAL 718
MSDS Date:05/01/1985
FSC:3439
NIIN:01-097-5989
MSDS Number: BSYZK
=== Responsible Party ===
Company Name:INCO ALLOYS INTERNATIONAL INC
Address:1401 BURRIS RD
City:NEWTON
State:NC
ZIP:28658-1754
Country:US
Info Phone Num:304-526-5436
Emergency Phone Number:304-526-5780
Preparer's Name:DOD/HMIS (DGSC-SSH)
CAGE:9Z762
=== Contractor Identification ===
Company Name:FERCO TECH CORP (513-746-6696)
CAGE:66970
Company Name:INCO ALLOYS INTERNATIONAL INC
Address:1401 BURRIS RD
Box:City:NEWTON
State:NC
ZIP:28658-1754
Country:US
Phone:800-624-3411
CAGE:9Z762
Company Name:U.S. SMALL BUSINESS ADMINISTRATION
CAGE:3S077

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Composition/Information on Ingredients
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Ingred Name:CHROMIUM (SARA III)
CAS:7440-47-3
RTECS #:GB4200000
Fractio

n by Wt: 19%
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:IRON OXIDE
CAS:1309-37-1
RTECS #:NO7400000
Fraction by Wt: 19%
OSHA PEL:10 MG/M3 (FE)
ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name:MOLYBDENUM
CAS:439-98-7
RTECS #:QA4680007
Fraction by Wt: 4%
ACGIH TLV:10 MG/CUM

Ingred Name:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
Fraction by Wt: 53%
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

Ingred Name:NIOBIUM
CAS:7440-03-1
Fraction by Wt: 5%
ACGIH TL
V:NONE

Ingred Name:TITANIUM
CAS:7440-32-6
RTECS #:XR1700000
Fraction by Wt: 1%
ACGIH TLV:10 MG/CUM

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES
Health Hazards Acute and Chronic:ACUTE: SEE SYMPTOMS. CHRONICI SKIN
SENSITIZATION, NEUROLOGICAL DAMAGE AND RESPIRATORY DISEASE, NICKEL
AND CHROMIUM MUST BE CONSIDERED POSSIBLE CARCINOGENS
Explanation of Carcinogenici

ty:NICKEL IS PROBABLY CARCINOGENIC FOR HUMANS. CHROMIUM IS LISTED AS A HUMAN CARCINOGEN. WELDING DOES NOT INCREASE RISK.

Effects of Overexposure:METALLIC TASTE, NAUSEA, TIGHTNESS OF CHEST, FEVER, IRRITATION OF EYES, NOSE, THROAT AND SKIN; LOSS OF CONSCIOUSNESS/ DEATH DUE TO WELDING GASES OR LACK OF OXYGEN.

Medical Conditions Aggravated by Exposure:PREEXISTING RESPIRATORY OR ALLERGIC CONDITIONS MAY OCCUR IN SOME WORKERS.

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===== First Aid Measures =====
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First Aid:REMOVE FROM EXPOSURE AND OBTAIN PROMPT MEDICAL ATTENTION. IF VICTIM IS UNCONSCIOUS, ADMINISTER OXYGEN. IF NOT BREATHING. RESUSCITATE IMMEDIATELY.

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===== Fire Fighting Measures =====
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Flash Point:NONE

Extinguishing Media:MEDIA SUITABLE FOR SURROUNDING FIRE.

Unusual Fire/Explosion Hazard:NONFLAMMABLE;HOWEVER, WELDING ARCS AND SPARKS CAN IGNITE FLAMMABLE LIQUIDS AND VAPORS AND COMBUSTIBLE SOLIDS.

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===== Accidental Release Measures =====
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Spill Release Procedures:VACUUM RESIDUE FROM CUTTING, GRINDING, OR WELDING OPERATIONS INTO SUITABLE CONTAINER.

Neutralizing Agent:NONE

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===== Handling and Storage =====
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Handling and Storage Precautions:NO SPECIAL HANDLING OR STORAGE REQUIREMENTS.

Other Precautions:NONE

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===== Exposure Controls/Personal Protection =====
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Respiratory Protection:NECESSARY WHEN PERMISSIBLE EXPOSURE LIMITS MAY BE EXCEEDED

EDED DURING CUTTING, GRINDING, OR WELDING. USE AIR-SUPPLIED RESPIRATOR IN CONFINED SPACES. USE ONLY NIOSH APPROVED RESPIRATOR IN ACCORDANCE WITH 29CFR1910.134

Ventilation:USE LOCAL EXHAUST WHEN CUTTING, GRINDING, OR WELDING. CONFINED SPACES REQUIRE SPECIAL ATTENTION TO PROVIDE ADEQUATE VENT

Protective Gloves:WELDING

Eye Protection:SELECT WELDING LENSE SHADE(AWS PUB F2.2)

Other Protective Equipment:FACE PROTECTION AND FLAME RETARDANT CLOTHING.

Work Hygienic Practices:MAINTAIN EXPOSURES BELOW THE PEL/TLV. USE

INDUSTRIAL HYGIENE AIR MONITORING TO ENSURE EXPOSURE BELOW PEL/TLV.

Supplemental Safety and Health

ALWAYS USE EXHAUST VENTILATION. FOR ADDITIONAL INFORMATION:ANSI Z49.1

THE AMERICAN WELDING SOCIETY,P.O.BOX 351040,MIAMI, FL 33135 AND OSHA(29CFR1910), U.S.DEPT OF LABOR, WASHINGTON D.C. 20210. ADDED IN RESPONSE TO A REQUEST FOR MSDS. NSNIS FOR INCONEL 718 ELECTRODES.

===== Physical/Chemical Properties =====

HCC:N1

Solu

bility in Water:NEGLIGIBLE

Appearance and Odor:SOLID ALLOY WIRE

Percent Volatiles by Volume:0

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:CHLORINATED SOLBENTS MAY BE DECOMPOSED BY THE ARC INTO TOXIC GASES SUCH AS PHOSGENE.

Hazardous Decomposition Products:OXIDES OF NICKEL, CHROMIUM, FLUORIDES AND COMPLEX METALLICS, CARBON MONOXIDE, OZONE AND OXIDES OF NITROGEN.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH EPA OR LOCAL REGULATIONS.

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